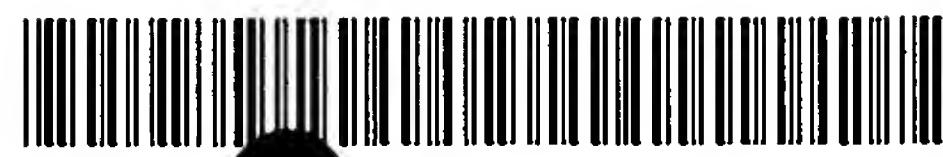


(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 104 155 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
27.11.2002 Bulletin 2002/48

(51) Int Cl. 7: H04M 3/42, H04M 3/493,
G10L 15/00, H04M 7/00

(43) Date of publication A2:
30.05.2001 Bulletin 2001/22

(21) Application number: 00310429.6

(22) Date of filing: 24.11.2000

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 24.11.1999 US 167290 P
21.08.2000 US 643558

(72) Inventor: King, Peter F.
California 94019 (US)

(74) Representative: Ablett, Graham Keith et al
Ablett & Stebbing,
Caparo House,
101-103 Baker Street
London W1M 1FD (GB)

(71) Applicant: Phone.Com Inc.
Redwood City, CA 94063 (US)

(54) Voice recognition based user interface for wireless devices

(57) The present invention relates to a wireless communication system (100) that utilizes a remote voice recognition server system (109) to translate voice input received from serviced mobile devices (102, 103) into a symbolic data file (e.g. alpha-numeric or control characters) that can be processed by the mobile devices. Initially, a voice communication channel (126) is established between the serviced mobile device and the voice recognition server. A user of the mobile device then be-

gins speaking in a fashion that may be detected by the voice recognition server system. Upon detecting the user's speech, the voice recognition server system uses a voice recognition application to translate the speech into a symbolic data file, which is then forwarded to the user through a separate data communication channel (128, 130). The user, upon receiving the symbolic data file at the mobile device, reviews and edits the content and further utilizes the file as desired.

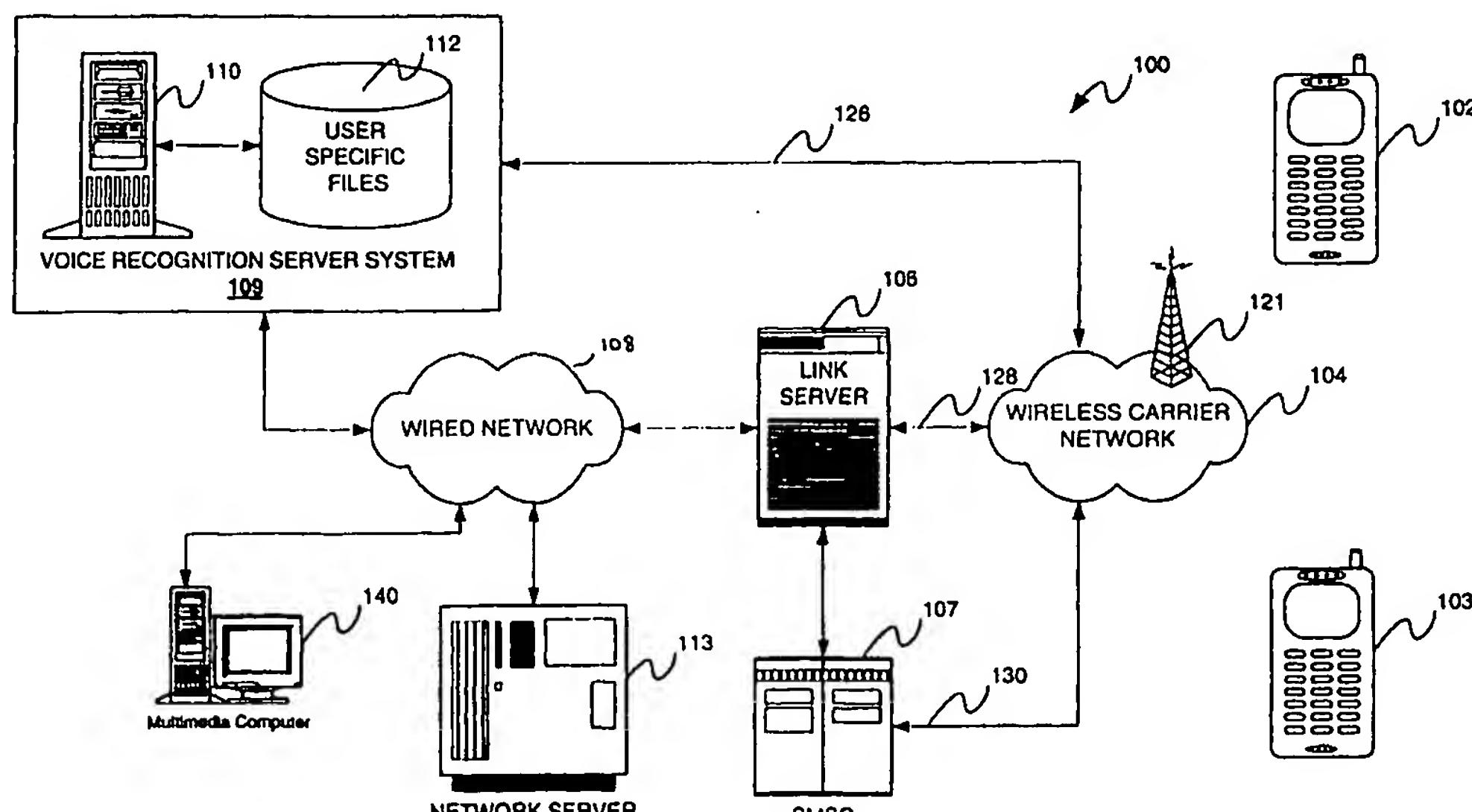


Figure 1



EUROPEAN SEARCH REPORT

Application Number
EP 00 31 0429

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	GB 2 323 693 A (FORUM TECHNOLOGY LIMITED) 30 September 1998 (1998-09-30) * page 11, line 1 - page 13, line 4 * ---	1,2,5,6, 8-10 3,4,7	H04M3/42 H04M3/493 G10L15/00 H04M7/00
A	EP 0 854 418 A (TEXAS INSTRUMENTS INC) 22 July 1998 (1998-07-22) * page 2, line 33 - page 3, line 7 * * page 5, line 23 - line 29 * * page 6, line 7 - line 14 * ---	1-3,5-10 4	
A	WO 95 17746 A (QUALCOMM INC) 29 June 1995 (1995-06-29) * page 6, line 26 - page 7, line 20 * * figure 2 * ---	1-10	
A	HAEB-UMBACH R: "ROBUST SPEECH RECOGNITION FOR WIRELESS NETWORKS AND MOBILE TELEPHONY" 5TH EUROPEAN CONFERENCE ON SPEECH COMMUNICATION AND TECHNOLOGY. EUROSPEECH '97. RHODES, GREECE, SEPT. 22 - 25, 1997, EUROPEAN CONFERENCE ON SPEECH COMMUNICATION AND TECHNOLOGY. (EUROSPEECH), GRENOBLE: ESCA, FR, vol. 5 OF 5, 22 September 1997 (1997-09-22), pages 2427-2430, XP001045185 * the whole document * ----	1-10	
TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
G10L H04M			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	7 October 2002	Schweitz, M	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 31 0429

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
 The members are as contained in the European Patent Office EDP file on
 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-10-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 2323693	A	30-09-1998	US	6366882 B1	02-04-2002
			GB	2323694 A ,B	30-09-1998
			US	6173259 B1	09-01-2001

EP 0854418	A	22-07-1998	EP	0854418 A2	22-07-1998
			JP	10240493 A	11-09-1998
			SG	72779 A1	23-05-2000
			TW	421755 B	11-02-2001
			US	6456974 B1	24-09-2002

WO 9517746	A	29-06-1995	AU	692820 B2	18-06-1998
			AU	1375395 A	10-07-1995
			BR	9408413 A	05-08-1997
			CA	2179759 A1	29-06-1995
			CN	1138386 A	18-12-1996
			EP	0736211 A1	09-10-1996
			FI	962572 A	20-08-1996
			JP	9507105 T	15-07-1997
			WO	9517746 A1	29-06-1995
			US	5956683 A	21-09-1999
			ZA	9408426 A	30-06-1995
